

Past Incident Solutions from the Richmond Refinery

1. Do all compressors that have barring devices have signs warning personnel to make sure no conditions are changing on the compressors while they are barring the compressor? – MITS 2537 (barring over K-252)
2. Do all operations turnovers carry information when safety devices (including alarms) are out of service or when CO and O2 analyzers are out of service or defective – MITS-1725 (34 gas line leak) / IPS 1424274 (F-100)
3. Does the attendant's log sheet at each filler metal distribution site require each welder to sign for the filler metal that is issued? – MITS 1494 (V-1110 level bridle weld failure)
4. Do checklists for equipment in H2S (& NH3) service cover what to do if plant or personal monitors alarm? – MITS 1480 (K-714 leak to atmosphere)
5. Is there a *Confined Space* warning label on each vessel skirt? - MITS 1406 (Drilling into vessel)
6. Are all SQCOs and relief SQCOs trained to review all final tank data prior to releasing the Certificate of Analysis? – MITS 1316 (Improper tank final)
7. Do you hear CFD practice zone alarms on weekly basis? – MITS 789 (General Chemical release)
8. Are you aware of a generic emergency response procedure that covers all operating areas with H2S? – MITS 760 (Operator overcome by H2S)
9. Is the area under any overhead work checked to ensure clear of workers and barricaded off so a worker can't wander under overhead work after it has begun? – IPS 1513949 (employee struck on hard hat by falling object)
10. Is there a checklist that covers cleanup and waste disposal information for Fuel Gas Coalescers? – IPS 1336449 (Pyrophoric fire outside Hydro lab)